ZebraNet®
Print Server Family

Zebra Everywhere and Anywhere

Need location–independent printing minus the hassle and cost of recabling? Zebra offers the ZebraNet b/g Print Server and the ZebraNet Wireless Plus, both with advanced authentication and encryption protocols, so you can enjoy ultimate mobility with reliable network and data security. For flexible connectivity options, get ZebraNet 10/100 Print Server for 10Base-T, 100Base-TX, and fast Ethernet 10/100 auto-switching networks.

Advanced Connectivity for Advanced Printers

Only Zebra print servers are designed and tested to work with Zebra® printers. This means that you can deploy your printing solutions seamlessly without having to worry about compatibility issues.

In addition, Zebra print servers enable you to see the print server settings (like the IP address) on the printer's front panel, making it simpler to install printers into your environment.

Finally, most third-party print servers only allow for remote management of the print server itself. With a Zebra print server, you can remotely manage both the print server and the printer using any of Zebra's ZebraLink™ products, such as ZebraNet™ Bridge Enterprise and mirroring. This is a great benefit for organizations whose printers are deployed globally but are managed through a central IT group.

Zebra now offers you a choice in print server products to make the world's best printers even better:

- Flexible 10/100 Ethernet connectivity for high-performance and industrial-strength printers (internal and external options)

- Secure wireless network connectivity for location-independent printer operations anytime, anywhere

- Deported antenna available to ensure ease of integration

- Effortless installation and centralized connectivity and control via Zebra advanced printer management

ZebraNet b/g Print Server and ZebraNet Wireless Plus Print Server

Wireless connectivity lets you reposition your Zebra printers as needed without recabling. With Zebra's internal ZebraNet b/g Print Server, connect most Zebra tabletop printers to 802.11b/g networks right out of the box. The print server has an internal, theft-resistant radio that doesn't require you to buy a separate card. Optional tethered antenna with magnetic mount can optimize reception by enabling the user to position the antenna in a manner to improve signal quality.

ZebraNet Wireless Plus Print Server offers a high level of wireless security for most Zebra tabletop printers for flexible re-configuration of printers as business needs require.

ZebraNet b/g Print Server

ZebraNet b/g Print Server	ZebraNet Wireless Plus Print Server
Supported Printers • Xi4™ series • ZM400™/ZM600™ • S4M™ • *PAX*4™ series • R110Xi4™ • RZ400™/RZ600™	**Supported Printers** • Xi4™ series • *Xi*III*Plus*™ series • 105*SL*™ • ZM400/ZM600™ • S4M™ • *PAX4*™ • R110Xi4™ • R110*Xi*™/R170*Xi*™ • RZ400™/RZ600™ • R110*PAX*4™
Range • 300 m open air • 150 m indoors	**Range** Based on radio card selected
Optional Accessories Tethered Antenna	**Optional Accessories** See page 4 for radio card options

Operating Characteristics
• Wireless network compatibility—IEEE 802.11b/g
• Data Rates Supported—1, 2, 5.5, 11, and 54 Mb per second
• Wireless Medium DSSS (Direct Sequence Spread Spectrum)
• Frequency Band—2.4 to 2.4897 GHz

Wireless Securities
• Refer to page 4 for supported securities

User Interface
• Link Status Indicator—real-time display of the printer's network status
• Wireless Signal Indicators

Additional Tools Support
Configuration via ZebraNet Bridge Enterprise remote printer management software and Telnet

Power
Power provided by printer

Environment
Operates to the environmental specifications of the printer

Warranty
One year

ZebraNet Wireless Plus Print Server

Optional tethered antenna for b/g Print Server

ZebraNet b/g Print Server installed on a Zebra Xi4 printer

ZebraNet Print Server Family—Wired

ZebraNet 10/100 Print Server

ZebraNet 10/100 Print Server is available in an internal or external version that provides a complete wired solution for 10Base-T, 100Base-TX, and fast Ethernet 10/100 autoswitching networks.

Supported Printers
- Xi4™
- *Xi*III*Plus*™
- 105*SL*™
- ZM400/ZM600™
- Z4Mplus™/Z6Mplus™
- S4M™
- *PAX*4™ series

- R110Xi4™
- R110*Xi*™/R170*Xi*™
- RZ400™/RZ600™
- R110*PAX*4™
- R2844-Z™ (external only)

- G-Series™ (internal only)
- TLP 2824 Plus™/LP 2824 Plus™
- TLP 2844™/LP 2844™ (external only)
- TLP 2844-Z™/LP 2844-Z™ (external only)
- HC100™ (internal only)

Operating Characteristics
- Ethernet 10Base-T and 100Base-TX UTP RJ45 connection
- Auto senses full- and half-duplex communications

Printer Connection
Bi-directional, IEEE- 1284 Centronics® parallel port (Compatibility, Nibble, and ECP)

User Interface
- Test button: diagnostic test and configuration printing
- Activity indicators: bi-color display of operational status; bi-color display of speed and network activity

Electrical
- Maximum 750mA at 5.25VDC
- Nominal 475mA at 5VDC
- Power provided by the printer (Centronics pin 18, 5VDC at 475mA)

Other Features

Physical Characteristics
- Width: 2.8" / 71.12 mm
- Length: 3.2" / 81.28 mm
- Height: 1.2" / 30.48 mm
- Weight: 2.7 oz / 77 g

Environment
- Operating Temperature: 32° F/0° C to 104° F/40° C
- Storage Temperature: -40° F/-40° C to 140° F/60° C
- Operating Humidity: 25 to 85% non-condensing
- Storage Humidity: 5 to 85% non-condensing

Agency Approvals
CISPR 22 Class B; Canadian Doc.; FCC Class B; EN55024; AS/NZS3548

Warranty
One year

Comparison of Internal and External Print Server Benefits

Internal	External
• Provides a smaller footprint • Can be factory installed • Is more theft resistant	Allows you to swap out printers without reconfiguring network settings on either the printer or the host

Product Compatibility & Supported Securities

Compatibility Matrix

Printer Models	ZebraNet b/g Print Server	ZebraNet Wireless Plus	ZebraNet 10/100 Print Server (Internal)	ZebraNet 10/100 Print Server (External)
Xi4™ series	1, 2	1, 2	Standard	Yes
*Xi*III*Plus*™ series		1, 2	1, 2	Yes
105*SL*™		1, 2	1, 2	Yes
ZM400™/ZM600™	1, 2	1, 2	1, 2	Yes
Z4Mplus™/Z6Mplus™			1, 2	Yes
S4M™	1, 2	1, 2	1, 2	Yes
*PAX*4™	1, 2	1, 2	1, 2	Yes
R110Xi4™	1, 2	1, 2	Standard	Yes
R110*Xi*™/ R170*Xi*™		1, 2	1, 2	Yes
RZ400™/RZ600™	1, 2	1, 2	1, 2	Yes
R110*PAX*4™		1, 2	1, 2	Yes
R2844-Z™				Yes
TLP 2824Plus™/LP 2824Plus™			1	Yes
TLP 2844™/LP 2844™				Yes
TLP 2844-Z™/LP 2844-Z™				Yes
HC100™			1	

1 - Internal, factory option   2 - Internal, field kit   Go to www.zebra.com/ZebraLink or ask your Zebra reseller for more details.

Securities Supported

	ZebraNet b/g Print Server	Cisco CB21*	Cisco 350*	Motorola LA-4121*	Motorola LA-4137CF*
Open	Yes	Yes	Yes	Yes	Yes
EAP-FAST	Yes	Yes	Not Supported	Yes	Yes
EAP-TLS	Yes	Yes	Not Supported	Yes	Yes
EAP-TTLS	Yes	Yes	Not Supported	Yes	Yes
Kerberos	Not Supported	Not Supported	Not Supported	Yes	Yes
LEAP	Yes	Yes	Yes	Yes	Yes
PEAP	Yes	Yes	Not Supported	Yes	Yes
WEP (40 bit and 128 bit)	Yes	Yes	Yes	Yes	Yes
WPA - LEAP	Yes	Yes	Yes	Yes	Yes
WPA - PSK	Yes	Yes	Yes	Yes	Yes
WPA- EAP-FAST	Yes	Yes	Yes	Yes	Yes
WPA- EAP-TLS	Yes	Yes	Yes	Not Supported	Yes
WPA- EAP-TTLS	Yes	Yes	Yes	Not Supported	Yes
WPA- PEAP	Yes	Yes	Yes	Yes	Yes
WPA2 - LEAP	Yes	Yes	Not Supported	Not Supported	Not Supported
WPA2 – PSK	Yes	Yes	Not Supported	Not Supported	Not Supported
WPA2- EAP-FAST	Yes	Yes	Not Supported	Not Supported	Not Supported
WPA2- EAP-TLS	Yes	Yes	Not Supported	Not Supported	Not Supported
WPA2- EAP-TTLS	Yes	Yes	Not Supported	Not Supported	Not Supported
WPA2- PEAP	Yes	Yes	Not Supported	Not Supported	Not Supported

*Supported radio card for ZebraNet Wireless Plus. Contact your Zebra Representative for information on firmware compatibility